

AMENDMENTS TO THE SPECIFICATION:

Please amend the indicated paragraphs of the specification in accordance with the amendments indicated below.

Page 1: Immediately before the heading "Technical Field," insert the following heading:

BACKGROUND OF THE INVENTION

Page 2: After the fourth full paragraph, please replace the heading "Disclosure of the Invention" with the following heading:

SUMMARY OF THE INVENTION

Page 2: fifth full paragraph, amend as indicated below:

In order to solve the problem noted above, a hose reel according to ~~Claim 1~~ an embodiment of the present invention is a hose reel for winding a hose by turning a drum, wherein a guide part for guiding the hose is provided on the moving path of the hose to be wound around the drum and the width of the guide part is so set as to decrease toward its upper portion.

Page 3: second full paragraph, amend as indicated below:

A hose reel according to ~~Claim 2~~ another embodiment of the invention is a hose reel for winding a hose by turning a drum, wherein a guide part for guiding the hose is provided on the moving path of the hose to be wound around the drum, a restrictive part for preventing the hose from escaping is extended on the guide part in a direction crossing the moving direction of the hose, an inclined part inclined toward the central part along its upper direction is set on the restrictive part, and the angle of inclination in the inclined part is set to be not less than 45 degrees and less than 90 degrees.

Page 4: first full paragraph, amend as indicated below:

Further, a hose reel according to ~~Claim 3~~ a further embodiment of the invention is a hose reel for winding a hose by turning a drum, wherein a guide part for guiding the hose is provided on the moving path of the hose to be wound around the drum, a restrictive part for preventing the hose from escaping is extended on the guide part in a direction crossing the moving direction of the hose, and the restrictive part is formed in an arc shape whose central part protrudes.

Page 4: fourth full paragraph, amend as indicated below:

Further, in a hose reel according to ~~Claim 4~~ another embodiment of the invention, an opening through which the hose is inserted is provided in the guide part, the restrictive part is set in the upper opening edge of the opening, and the lower opening edge of the opening is linearly formed.

Page 5: third full paragraph, amend as indicated below:

Further in a hose reel according to ~~Claim 5~~ another feature of the invention, the drum is supported by a frame, and the guide part is composed of a bar disposed on the frame.

Page 5: fifth full paragraph, amend as indicated below:

Further in a hose reel according to ~~Claim 6~~ a further feature of the invention is a hose reel for winding a hose by turning a drum, wherein a guide part having an opening through which the hose is inserted is provided on the moving path of the hose to be wound around the drum, and a thick part thicker than a general part is disposed on the opening edge of the opening.

Page 6: first full paragraph, amend as indicated below:

Further, a hose reel according to ~~Claim 7~~ a further embodiment of the invention is a hose reel for winding a hose by turning a drum, wherein a guide part having an opening through which the hose is inserted is provided on the moving path of the hose to be wound around the drum, and the sectional shape of the opening edge of the opening is formed in an arc protruding toward the center of the opening.

Page 6: fourth full paragraph, amend as indicated below:

In addition, a hose reel according to ~~Claim 8~~ a further embodiment of the invention is a hose reel for winding a hose by turning a drum, wherein a rotational member in contact with the hose and rotating in the direction of urging the movement of the hose is disposed on the moving path of the hose to be wound up by the drum.

Page 6: sixth full paragraph, amend as indicated below:

And in a hose reel according to ~~Claim 8~~ the above described embodiment of the invention, the outer circumferential face of the hose is made rugged.

Page 7: second full paragraph, amend as indicated below:

Further in a hose reel according to ~~Claim 10~~ another feature of the invention wherein a drum having collars at the two ends of its barrel is turnably supported by a frame, the frame is formed in a shape allowing accommodation of the drum, an inlet/outlet for the hose is disposed in a position in the frame opposite the winding position between the two collars of the drum, and the width of the inlet/outlet is set to be not greater than the distance from one collar of the drum to the other.

Page 7: fifth full paragraph, amend as indicated below:

Further in a hose reel according to ~~Claim 11~~ a further feature of the invention, the frame is formed in a case shape for accommodating the drum.

Page 8: third full paragraph, amend as indicated below:

Further in a hose reel according to ~~Claim 12~~ a still further feature of the invention, the width of the inlet/outlet is set to decrease toward the upper part.

Page 8: fourth full paragraph, amend as indicated below:

Preferably, ~~as stated in Claim 13 of the invention,~~ the opening edge of the inlet/outlet on the upper side should be formed in an arc shape whose central part protrudes upward.

Pages 8-9: paragraph bridging pages 8 and 9, amend as indicated below:

In addition, in a hose reel according to ~~Claim 14~~ another feature of the invention, the starting point of the arc shape of the opening edge is set between the center of rotation of the drum and the highest position of the collars.

Page 9: second full paragraph, amend as indicated below:

Further in a hose reel according to ~~Claim 15~~ a further aspect of the invention, a drum having collars at the two ends of its barrel is turnably supported by a frame, the distance between the two collars is set between 40% and 60% of the diameter of the collars.

Page 10: before the first full paragraph, replace the heading "Brief Description of the Drawings" with the following heading:

BRIEF DESCRIPTION OF THE DRAWINGS

Pages 10-11: paragraph bridging pages 10 and 11, please replace with the following:

FIG. 1 shows a perspective view of a first mode for implementing the present invention;

FIG. 2 shows a profile of the same embodiment as FIG. 1;

FIG. 3 shows a section along line A-A in FIG. 2;

FIG. 4 shows a plan of the same embodiment as FIG. 1;

FIG. 5 shows a section along line B-B in FIG. 4;

FIG. 6 shows a front view of the same embodiment as FIG. 1;

FIG. 7 shows a bottom view of the same embodiment as FIG. 1;

FIG. 8 is a diagram corresponding to section C-C in FIG. 4;

FIG. 9 shows a section of the essential part in the same embodiment as FIG. 1, in a folded state;

FIG. 10 shows a perspective view of a second mode for implementing the invention;

FIG. 11 shows a perspective view of a third mode for implementing the invention;

FIG. 12 shows a section of a hose in the essential part in the same embodiment as FIG. 11;

FIGS. 13 show a perspective view in 13A and a profile in 13B of a fourth mode for implementing the invention;

FIGS. 14 show a fifth mode in 14A, a sixth mode in 14B, and a seventh mode for implementing the invention in 14C;

FIG. 15 shows an eighth mode for implementing the invention;

FIG. 16 shows a perspective view of a ninth mode for implementing the invention;

FIG. 17 shows a profile of the same embodiment as FIG. 16;

FIG. 18 shows a section along line D-D in FIG. 17;

FIG. 19 shows a section of a hose in the same embodiment as FIG. 16;

FIG. 20 shows a plan of the same embodiment as FIG. 16;

FIG. 21 shows a section along line E-E in FIG. 20;

FIG. 22 shows a front view of the same embodiment as FIG. 16;

FIG. 23 shows a bottom view of the same embodiment as FIG. 16;

FIG. 24 is a diagram corresponding to section F-F in FIG. 20;

FIG. 25 shows a section of the essential part in the same embodiment as FIG. 16 in a folded state;

FIG. 26 shows a variation of the same embodiment as FIG. 16;

FIGS. 27 show another variation of the same embodiment as FIG. 16; and

FIGS. 28 show still another variation of the same embodiment as FIG. 16.

Page 11: before the first full paragraph, replace the heading “Best Modes for Carrying Out the Invention” with the following heading:

DETAILED DESCRIPTION OF THE INVENTION

Pages 16-17: paragraph bridging pages 16 and 17, please amend as indicated below:

The top face parts 73 are formed in such lengths that, when one leg 67 is folded ahead of the other leg 67 to constitute the folded state 74 shown in FIG. 9, the parts of the two legs 67 and 67 farther out than the base ends 72 and 72 overlap each other, and on their rear faces a plurality of the ribs 81, [...] and flanges 82 and 82 extending from their two side edges are integrally formed. The heights of these flanges 82 and 82 and the ribs 81, [...] are set to become lower from the base ends 72 toward the tips as shown in FIG. 8, and the thickness of each leg 67 is set to become thinner from the base ends 72 pivoting on the body case 11 toward the tip.

Page 17: second full paragraph, amend as indicated below:

And as shown in FIG. 5, two ribs 92 and 92 extend from the bottom 61 toward the upper opening on an inner side face 91 of [[he]] the lower vessel 12 of the

body case 11, and two ribs 94 and 94 also extend from the top plate 21 toward the lower opening on an inner side face 93 of the upper vessel 13 of the body case 11. Thus, these ribs 92, 92, 94 and 94 extend in the direction of mold drawing when the vessels 12 and 13 are molded of resin.

Page 22: third full paragraph, amend as indicated below:

On the other hand, the hose 202 is configured of an inner annular member 251 disposed inside and an outer annular member 252 disposed outside the inner annular member 251 as shown in FIG. 12, and a braid 255 consisting of a net portion 253 knit of threads crossing each other diagonally and warps 254, [...] extending in the lengthwise direction are disposed on the outer circumferential face of the inner annular member 251. The net portion 253 is configured of first bias threads 256, [...] and second bias threads 257, [...] crossing each other.

Pages 22-23: paragraph bridging pages 22 and 23, please amend as indicated below:

On the outer circumferential face 261 of the outer annular member 252, convex stripes 262, [...] and concave grooves 263, [...] both extending in the

lengthwise direction, are alternately formed to constitute striped convexes and concaves extending in the lengthwise direction.

Page 24: first full paragraph, amend as indicated below:

And when the hose is wound, the outer circumferential face 261 comes into contact with the inner face of the drum 215 or that of the frame 212 and may give rise to friction. However, as the outer circumferential face 261 of this hose 202 is made rugged in a striped shape by the convex stripes 262, [...] and the concave grooves 263, [...] both extending in the lengthwise direction, the frictional resistance to the area of sliding contact can be reduced.

Page 29: fourth full paragraph, amend as indicated below:

The hose 614 is set to be 2.2 mm in thickness HT and to 12 mm in inner diameter HI. Further, a plurality of convex stripes 620, [...] extending in the lengthwise direction are formed over the whole length of the outer circumferential face, as shown in FIG. 19, which depicts a sectional view of the hose 614.

Page 31: third full paragraph, amend as indicated below:

A C-shaped concave 622 is formed in this top plate 621, and a C-shaped handle 623 is arranged in the concave 622. The handle 623 is composed of a grip 624 constituting a free end and extension parts 625 and 625 extending from the two ends of the grip [[264]] 624 into the C shape, and turnably supported by the upper vessel 613 via rotation shafts 626 and 626 disposed at the tips of the extension parts 625 and 625 as shown in FIG. 21. In this way, the handle 623 is so configured as to be turnable between an inclined state 627 in which it is accommodated in the concave 622 and an erect state 628 in which it is erect.

Page 36: first full paragraph, amend as indicated below:

On the left and right sides 641, 642, 643 and 644 of the upper and lower vessels 612 and 613 on which the bulgy parts 645 and 645 are formed, hoop-like parts 655 and 655 extending upward and downward are disposed in the upper and lower positions of the bulgy parts 645 and 645, which are the positions of supporting the drum 615, as shown in FIG. 16. These hoop-like parts 655 and 655 are formed in a corrugated shape by alternately arranged a plurality of convex stripes 656, [...] and concave grooves 657, [...] both extending upward and downward. These hoop-like parts 655 and 655 are thereby configured to reinforce the planar left and right sides 641, 642, 643 and 644 and to function as props to support the drum 615.

Page 37: second full paragraph, amend as indicated below:

The top plate parts 673 are formed in such lengths that, when one leg 667 is folded ahead of the other leg 667 to constitute the folded state 674 shown in FIG. 25, the parts of the two legs 667 and 667 farther out than the base ends 672 and 672 overlap each other on their tip side, and on their rear faces a plurality of the ribs 681, [...] and flanges 682 and 682 extending from their two side edges are integrally formed. The heights of these flanges 682 and 682 and the ribs 681, [...] are set to become lower from the base ends 672 toward the tips as shown in FIG. 24, and the thickness of each leg 667 is set to become thinner from the base ends 672 pivoting on the body case 611 toward the tip.

Page 42: after the third full paragraph, delete the heading “Industrial Applicability”

Page 42: fourth full paragraph, amend as indicated below:

As hitherto described, the hose reel according to ~~Claim 1~~ an embodiment of the present invention, even when the hose is wound concentrating on one end of the drum, it can be guided along the guide part, whose width decreases toward its upper portion, toward the central part when a prescribed quantity has been wound up.

Page 43: first full paragraph, amend as indicated below:

Also the hose reel according to ~~Claim 2~~ another embodiment of the invention, even when the hose is wound concentrating on one end of the drum, it can be guided by an inclined part provided in the restrictive part toward the central part when a prescribed quantity has been wound up.

Page 43: fifth full paragraph, amend as indicated below:

Further, the hose reel according to ~~Claim 3~~ a further embodiment of the invention, even when the hose is wound concentrating on one end of the drum, it can be guided along an arch-shaped restrictive part toward the central part when a prescribed quantity has been wound up.

Page 44: second full paragraph, amend as indicated below:

Or in the hose reel according to ~~Claim 4~~ another embodiment of the invention, when starting winding of the hose around an empty drum, the hose to be moved can be guided along the lower opening edge of the opening in the guide part. In this arrangement this lower opening edge is linearly formed. As a result, the hose guided by the guide part can be wound around the whole area of the drum in a

distributed way, and disorderly winding at the time of starting the winding can be prevented.

Page 44: fifth full paragraph, amend as indicated below:

In addition, in the hose reel according to ~~Claim 6~~ a further feature of the invention, by inserting the hose to be wound up by the drum into the opening of the guide part, the hose can be brought into sliding contact with the opening edge of the opening and thereby guided to its prescribed position.

Page 45: third full paragraph, amend as indicated below:

Moreover, in the hose reel according to ~~Claim 7~~ further embodiment of the invention, by inserting the hose to be wound up by the drum into the opening of the guide part, the hose can be brought into sliding contact with the opening edge of the opening and thereby guided to its prescribed position.

Page 46: first full paragraph, amend as indicated below:

Further in the hose reel according to ~~Claim 8~~ further embodiment of the invention, the hose to be wound up by the drum can be guided by the rotational member rotating in contact with the hose.

Page 46: fourth full paragraph, amend as indicated below:

And in the hose reel according to ~~Claim 9~~ another feature of the invention, the frictional resistance between the outer circumferential face and the area of sliding contact can be reduced by making the outer circumferential face of the hose rugged. Compared with a case in which a high frictional resistance occurs in the area of sliding contact with the hose, disorderly winding of the hose around the drum can be better prevented.

Page 47: first full paragraph, amend as indicated below:

Moreover, in the hose reel according to ~~Claim 10~~ another feature of the invention, the width of the inlet/outlet provided in the frame is set to be not greater than the distance from one collar of the drum to the other, and the hose accommodated into the frame via the inlet/outlet can be guided to the position between the two collars of the drum.

Page 47: third full paragraph, amend as indicated below:

Especially, where the frame is formed in a case shape as in the hose reel according to ~~Claim 11~~ an advantageous feature, if the hose is wound into the gap between the drum and the frame and is difficult to take out, any problem due to the winding-in can be prevented from arising.

Page 47: fourth full paragraph, amend as indicated below:

Moreover, in the hose reels according to ~~Claims 12 and 13~~ other embodiments, even if the hose is wound concentrating on one end of the drum, it can be guided along the opening edge of the inlet/outlet or the arch-shaped opening edge toward the center when a prescribed quantity has been wound up.

Page 48: second full paragraph, amend as indicated below:

Further in the hose reel according to ~~Claim 14~~ another feature of the invention, as the starting point of the arc shape of the opening edge is set between the center of rotation of the drum and the highest position of the collars, the hose concentrating on the collar at one end of the drum can be guided toward the center

along the arch-shaped opening edge before it reaches the highest position of the collars.

Page 48: third full paragraph, amend as indicated below:

Moreover, in the hose reel according to ~~Claim 15~~ a further aspect of the invention, as the distance between the collars of the drum is set between 40% and 60% of the diameter of the collars, the hose wound around this drum can be guided between the collars. Therefore any trouble due to the going astray of the hose from the drum can be prevented, resulting in neat winding of the hose.